ecology and environment, inc.
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International Specialists in the Environmental Sciences

DATE: April 28, 1981

TO: Phyllis Reed and File

FROM: Randy Livingston

SUBJECT: Ohio / TDD# F5-8009-2A, Eckhardt
St. Bernard, Ohio / Roth Ready Mix Concrete
(AKA Cinn-Made Corporation)

Due to the unknown nature of the waste types in the pond located at Roth Ready Mix (Cinn-Made), FIT recommended that samples be taken.

On October 30, 1980, Anne Sause, Renee Hix, John Angelo, Robert Makela and I performed a field investigation. At the same time environmental samples were taken at Roth Ready Mix (Cinn-Made). Sample numbers ME8051, ME8052 and ME8053 were taken by Robert Makela and Renee Hix at the southeast end of the pond about three to four feet from the edge of the pond.

Sample number ME8051 is the sample, with ME8052 representing the duplicate. Sample number ME8053 is the blank which accompanied ME8051 and ME8052 to Versar, Inc. for analysis. Versar, Inc. lab I.D. number for sample ME8051 is 7385, for ME8052 it is 7386, and for ME8053 it is 7387.

The organic sample analysis has not been returned as of yet, but this matter is being looked into by Cynthia Bachunas. The results will be forwarded as soon as we receive them.

Attached are copies of the inorganics analysis data sheets of samples taken and site sketch map.

RL/df
Attachments

EE/S 580 EE1B 380 TDD F5-8009-2A

U.S. ENVIRONMENTAL PROTECTION AGENCY - HWI Sample Management Office
P.O. Box 818 - Alexandria, Virginia 22313 - 703/ 557-2490/FTS-8-557-2490

INORGANICS ANALYSIS DATA SHEET

585-69

80mm01581

LABORATORY NAME Versar Inc. SAMPLE NO. ME 8051

LAB SAMPLE ID NO. 7385 QC REPORT NO.

TASK 1 (Elements to be identified and measured)

		ug/l			ug/l
1.	Aluminum	261.	10.	Nickel	<20.
2.	Chromium	<10.	11.	Manganese	10.
3.	Barium	20.	12.	Zinc	32.
4.	Beryllium	<2.	13.	Boron	248.
5.	Cadmium	<5.	14.	Vanadium	<10.
6.	Cobalt	<10.	15.	Calcium	33,200.
7.	Copper	<20.	16.	Magnesium	884.
8.	Iron	290.	17.	Sodium	38,400.
9.	Lead	<40.			

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TASK 2 (Elements to be identified and measured)

		ug/l			ug/l
1.	Arsenic	<10.	5.	Mercury	<1.
2.	Antimony	<20.	6.	Tin	135.[a]
3.	Selenium	<10.	7.	Silver	<20.
4.	Thallium	<10.			

TASK 3 (Elements to be identified and measured)

1.	Ammonia	mg/l	4.	Cyanide	mg/l
2.	Fluoride	mg/l	5.	pH	Units
3.	Sulfide	mg/l	6.	TOC	mg/l

COMMENTS:
a) with a detection limit of 100.
b) with a detection limit of
c) with a detection limit of
d) analyzed on a sample aliquot preserved with HCl

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INORGANICS ANALYSIS DATA SHEET

585-69

80MM01D08

LABORATORY NAME Versar Inc. SAMPLE NO. MF 8052

LAB SAMPLE ID NO. 7386 QC REPORT NO.

TASK 1 (Elements to be identified and measured)

		ug/l			ug/l
1.	Aluminum	306.	10.	Nickel	<20.
2.	Chromium	<10.	11.	Manganese	11.
3.	Barium	22.	12.	Zinc	<10.
4.	Beryllium	<2.	13.	Boron	313.
5.	Cadmium	<5.	14.	Vanadium	<10.
6.	Cobalt	<10.	15.	Calcium	36,500.
7.	Copper	<20.	16.	Magnesium	897.
8.	Iron	327.	17.	Sodium	38,500.
9.	Lead	<40.			

TASK 2 (Elements to be identified and measured)

		ug/l			ug/l
1.	Arsenic	<10.	5.	Mercury	<1.
2.	Antimony	<20.	6.	Tin	<20.
3.	Selenium	<10.	7.	Silver	<20.
4.	Thallium	<10.			

TASK 3 (Elements to be identified and measured)

1.	Ammonia	mg/l	4.	Cyanide	mg/l
2.	Fluoride	mg/l	5.	pH	Units
3.	Sulfide	mg/l	6.	TOC	mg/l

COMMENTS:
a) with a detection limit of
b) with a detection limit of
c) with a detection limit of
d) analyzed on a sample aliquot preserved with HCl

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INORGANICS ANALYSIS DATA SHEET

585-69

80mm01R08

LABORATORY NAME Versar Inc. SAMPLE NO. ME 8053

LAB SAMPLE ID NO. 7387 QC REPORT NO.

TASK 1 (Elements to be identified and measured)

		ug/l			ug/l
1.	Aluminum	<50.	10.	Nickel	<20.
2.	Chromium	<10.	11.	Manganese	<10.
3.	Barium	<10.	12.	Zinc	21.
4.	Beryllium	<2.	13.	Boron	<10.
5.	Cadmium	<5.	14.	Vanadium	<10.
6.	Cobalt	<10.	15.	Calcium	153.
7.	Copper	<20.	16.	Magnesium	<100.
8.	Iron	<20.	17.	Sodium	<100.
9.	Lead	<40.			

TASK 2 (Elements to be identified and measured)

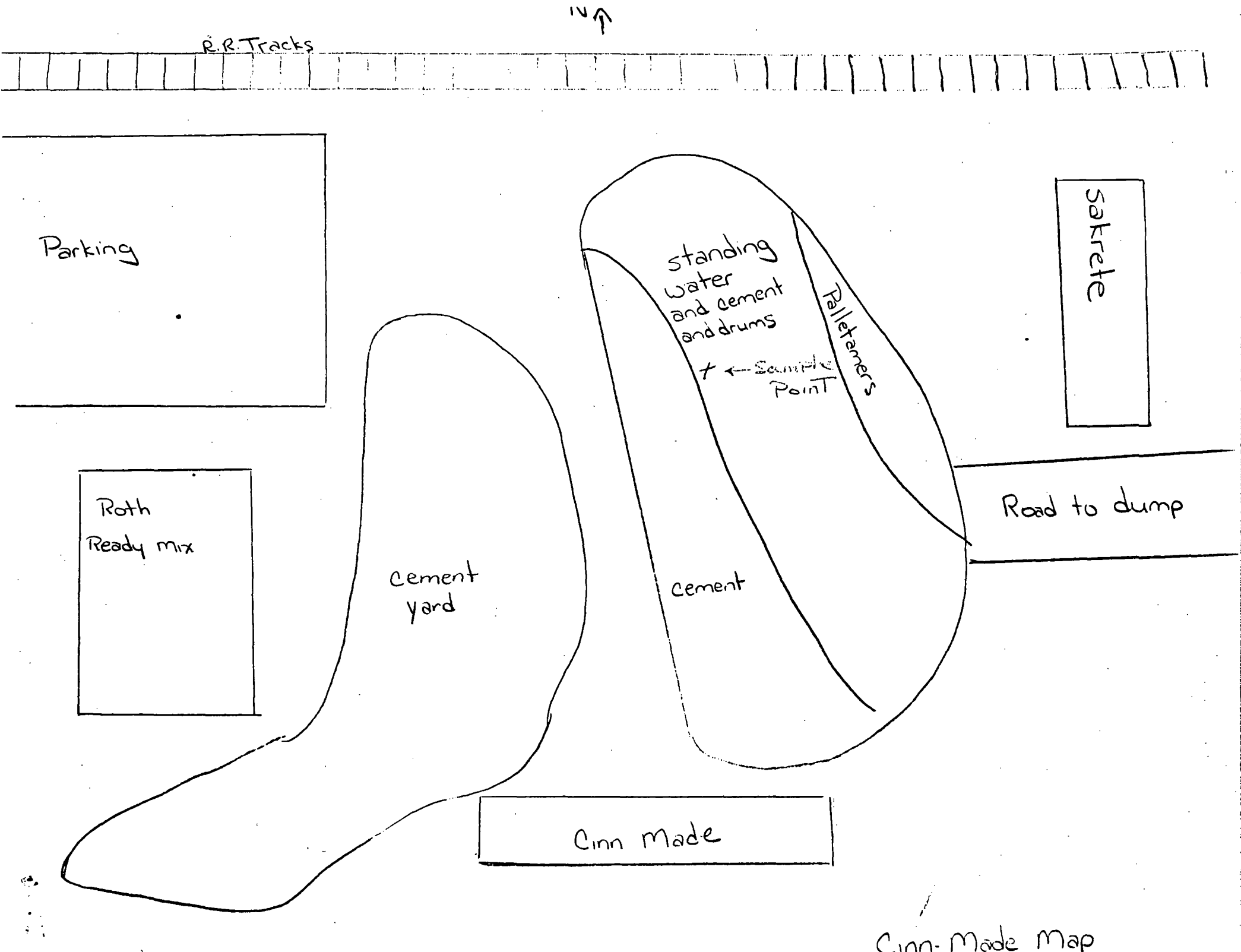
		ug/l			ug/l
1.	Arsenic	<10.	5.	Mercury	<1.
2.	Antimony	<20.	6.	Tin	<20.
3.	Selenium	<10.	7.	Silver	<20.
4.	Thallium	<10.			

TASK 3 (Elements to be identified and measured)

1.	Ammonia	mg/l	4.	Cyanide	mg/l
2.	Fluoride	mg/l	5.	pH	Units
3.	Sulfide	mg/l	6.	TOC	mg/l

COMMENTS:

a) with a detection limit of
b) with a detection limit of
c) with a detection limit of
d) analyzed on a sample aliquot preserved with HCl



Cinn-Made Map